

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Younan Xia

Yugang Sun

Application No.: 10/732,910

Filed: December 9, 2003

For: **METHODS OF NANOSTRUCTURE**

FORMATION AND SHAPE SELECTION

Group Art Unit: 3653

Confirmation No.: 6911

Attorney Docket No.: 53433/2:2

Date: June 17, 2004

INFORMATION DISCLOSURE STATEMENT

TOTE	HE CON	AMISSIONER FOR PATENTS:										
1.	Pursuant to the duty of disclosure, applicant presents for the Examiner's consider the documents listed on the accompanying Form PTO-1449.											
	\boxtimes	Copies of listed documents are enclosed. (37 CFR § 1.98(a)).										
		Copies of listed U.S. patent documents are omitted because this application was filed after June 30, 2003 and is, thus, subject to image file wrapper processing. Copies of listed foreign patent documents and non-patent literature are enclosed.										
		Copies of the documents listed on sheet(s) of Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No, filed, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))										
2.		The Examiner's attention is directed to the enclosed copy of copending U.S. Patent Application No, filed, for, which is cited in this application.										
3.	This information disclosure statement is being submitted (check box a., b., or c.):											
	a.	Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or										

	b.		of eith	he period set fo er a final action vise closes prose	ı, a noti	ce of allowa	nce, or	an action	that	:			
		i.		A \$180.00 info forth in 37 CF				ent subm	ission fee se	et			
		ii.		A statement sp	pecified	by 37 CFR	1.97(e)	is set for	rth below; o	r			
	c.		before 1.97(e)	he mailing date payment of the) is set forth bel sure statement p	e issue f low. Er	ee. A stater aclosed is a	nent sp \$180.00	ecified by informa	y 37 CFR tion	or			
1.	If a statement specified by 37 CFR 1.97(e) is required, the attorney or agen below hereby states that:												
	each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or												
		no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.											
5.		A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below											
					Respec	ctfully subm	itted,						
					The U	niversity of	Washi	ngton					
STOE	L RIVE	S LLP			By:	Micah D. S Registratio			Why_				
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FORM PTO- (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE														APPLICATION NO.: 10/732,910		
	- 21	OR	RMATION DISCLOSURE CITATION (Uses several sheets if necessary)								APPLICANTS: Younan Xia and Yugang Sun						
JUN 2 1 200		(Oses several sheets if necessary)								FILING DATE: December 9, 2003				GROUP: 3653			
CAUEN								U.	S. PATEN	T DOCU	MENTS						
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	AG	Yugang Sun and Younan Xia, "Shape-Controlled Synthesis of Gold and Silver Nanoparticles," <i>Science</i> , Vol. 298, December 13, 2002, pages 2176–2179.															
	Yugang Sun and Younan Xia, "Alloying and Dealloying Processes Involved in the Preparation of Metal Nanoshells a Galvanic Replacement Reaction," <i>Nano Letters</i> , Vol. 0, No. 0, September 11, 2003, Department of Chemistry, Unwashington, pages A–D. Yugang Sun, Brian Mayers and Younan Xia, "Template-Engaged Replacement Reaction: A One-Step Approach to Scale Synthesis of Metal Nanostructures with Hollow Interiors," <i>Nano Letters</i> 2002, Vol. 2, No. 5, February 21, 200 Department of Chemistry, University of Washington, pages 481–485.										Janoshells T nistry, Univ	Through versity of					
AJ Yugang Sun and Younan Xia, "Increased Sensitivity of Surface Plasmon Resonance of Gold Nanos Gold Solid Colloids in Response to Environmental Changes," <i>Analytical Chemistry</i> , Vol. 74, No. 2 pages 5297–5305.																	
	AK	Yugang Sun, Brian Mayers and Younan Xia, "Metal Nanostructures with Hollow Interiors," <i>Advanced Materials</i> , 15, No. 7-8 April 17, 2003, pages 641-646.												, No. 7–8			
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	AM		ugang 103.	Sun	and	l Yo	ounan >	(ia, "Muli	tiple-Walled	d Nanotub	es Made o	f Metals,"	Communica	ation to Adv	vance	ed Material	s, July,

EXAMINER DATE CONSIDERED

Process," Advanced Materials, 14, No. 11, June 5, 2002, pages 833-837.

in Aqueous Medium," Article to JACS, October, 2003, 23 pages.

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Yugang Sun and Younan Xia, "Large-Scale Synthesis of Uniform Silver Nanowires Through a Soft, Self-Seeding, Polyol

Yugang Sun and Younan Xia, "Insights into the Replacement Reaction Between Silver Nanostructures and Chloroauric Acid

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